PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form 1449A/PTO			Complete if Known			
				Application Number	Not Yet Assigned		
	NFORMATION D			Filing Date First Named Inventor	October 7, 2005		
	STATEMENT BY	APPLICA	NT		Akihiro ISHII		
				Art Unit	-Not Yet Assigned 1623		
	(use as many sheets	as necessary)		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	038788.56805US		

<u> </u>			U.S. PATENT	DOCUMENTS	
xaminer Initials'	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/		US-			
		US-			
TI		US-			
		US-			·, · · · · · · · · · · · · · · · · · ·
		US-			
7		US-			
7		US-			
T = 1		US-			
		US-			
		US-			•
		US-			
		US-			
		US-			
		US-	 		

		FOREIG	N PATENT DO	CUMENTS		
Examiner	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ¹ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To
	1	JP 1-272595	10/31/1989	Central Glass Co., Ltd.	or Noovalli Figures Appeal	X
THE	2	JP 57-102889	08/28/1982	Toyo Jozo Co., Ltd.		X
					•	

Examiner		118	Date	
Signature	L. E. Crane	1/1/ Van	Considered	04/23/2007

*EXAMINER: Initial if reference considered, whether or no station is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

if you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

COPY FOR [] File Applicant

10/552,463 - PTO-1449 #1

PTO/SB/08b (08-03)

Approved for use through 06/30/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known			
Substitute for form 1449B/PTO				Application Number	Not Yet Assigned
	INFORMATION D	ISCLOSUE	RE	Filing Date	October 7, 2005
	STATEMENT BY APPLICANT			First Named Inventor	Akihiro ISHII
				Art Unit	-Not Yet Assigned 1623
	(use as many sheets	as necessary)		Examiner Name	Not Yet Assigned
Sheet	Sheet 2 of 2		2 .	Attorney Docket Number	038788.56805US

			NON PATENT LITERATURE DOCUMENTS	
	Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	M	3	Yoshiko SATO et al., "Synthesis and Hpnotic and Anti-Human Immunodeficiency Virus-1 Activities of N3-Substituted 2'-Deoxy-2'-fluorouridines", Chem.Pharm.Bull., Vol. 42, 1994, pages 595-598	
	5	4	Morio IKEHARA et al., "Studies on Nucleosides and Nucleotides. LXXXIX. Purine Cyclonucleosides. (43) Synthesis and Properties of 2'-Halogeno-2'-deoxyguanosines", Chem.Pharm.Bull., Vol. 29, 1981, pages 3281-3285	
		5	Morio IKEHARA et al., "Studies on Nucleosides and Nucleotides. LXXXVII. Purine Cyclonucleosides. XLII. Synthesis of 2'-deoxy-2'-fluoroguanosines", Chem.Pharm.Bull., Vol. 29, 1981, pages 1034-1038	
	he	6	International Search Report dated August 3, 2004 based on International Application No. PCT/JP2004/005109, filed April 9, 2004	
ſ	Examiner Signature	L.	E. Crane Date Considered 04/23/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

10/552,463 - PTO-1449 #1

COPY FOR [] File [

PTO/SB/08b (08-03)

Approved for use through 06/30/2008. OMB 0651-0031

U.S. Patent and rademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respons to a collection of the paperwork reduction and the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of the paperwork reduction act of 1995, no persons are required to respons to a collection of the paperwork reduction act of the paperwork reduc

Cubathua	Substitute for form 1449B/PTO			Complete If Known			
Substitute	DUSUIDIO TOTTI 1448BYPTO			Application Number	10/552,463		
	INFORMATION D	ISCLOSUR	ξE	Filing Date	October 7, 2005		
	STATEMENT BY APPLICANT			First Named Inventor	Akihiro ISHII		
				Art Unit	(To Be Assigned) 1623		
	(use as many sheets	as necessary)		Examiner Name	(To Be Assigned)		
Sheet	Sheet 1 of 1			Attorney Docket Number	038788.56805US		

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
**	***	VOSHIKO SATO, ET AL., "Synthesis and Hypnotic and Anti-Human Immunodeficiency Virus-1 Activities of N ³ -Substituted 2'-Deoxy-2'Fluorouridines", Chem. Pharm. Bull., March 1994, pp. 595-598, vol. 42, no. 3, Japan	
**	AB	MORIO IKEMARA, ET AL., "Studies on Nucleosides and Nucleotides. LXXXVII." Purine Cyclonucleosides. XLII. Synthesis of 2'-Deoxy-2'Fluoroguanosine", Chem. Pharm. Bull., pp. 1034- 1038, vol. 29, no. 4, Japan	
**	AC.	MORIO IKEHARA, ET AL., "Studies on Nucleosides and Nucleotides. LXXXIX. Purine Cyclonucleosides. (43). Synthesis and Properties of a 2'-Halogeno-2'Deoxyguanosines ¹⁾ , Chem. Pharm. Bull., 1981, pp. 3281-3285, vol. 29, no. 11, Japan	
·			
		·	
		100	
Examiner	T ,	. E. Crane Date 04/23/2007	

** Duplicate citation: see PDO-1449 #1 for original citation.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retr in a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute	for form 1449R/PTO	Substitute for form 1449B/PTO			Complete if Known
	IONIONI 1448BIF TO			Application Number	10/552,463
	INFORMATION D	ISCLOSUF	ί Ε	Filing Date	October 7, 2005
	STATEMENT BY	APPLICAN	T	First Named Inventor	Akihiro ISHII
İ				Art Unit	(To Be Assigned) 1623
	(use as many sheets	as necassary)		Examiner Name	(To Be Assigned)
Sheet	Sheet 1 of 1			Attorney Docket Number	038788.56805US

		NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	,						
	^^2	JOHN F. CODINGTON, ET AL., "Synthesis of 2'-Fluorothymidine, 2'-Fluorodeoxyuridine, and other 2'-Halogeno-2'-Deoxy Nucleosides", Nucleosides, 1964, pp. 558-563, vol. 29. (MAICh)							
	AB 2	RANGANATHAN, "Modification of the 2'-Position of Purine Nucleosides: Syntheses of 2'-a- bestituted-2'Deoxyadenosine Analogs", Tetrahedron Letters, 1977, pp. 1291-1994, No. 15, Pergamon ess.							
RC	AC 2	MORIO IKEHARA, ET AL., "Studies of Nucleosides and Nuclcotides LXXXVI ¹ Purine Cyclonucleosides 41 A New Synthesis of 2-Deoxy-2'Fluoradenosine By the Use of Tetrahydrofuranyl Protecting Group" J. Carbohydrates Nucleosides Nucleotides, (1980), pp. 131-140, vol. 7, no. 2.							
Examiner		10/							

*EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is ettached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiallie is governed by 35 U.S.C. 123 and 37 CFR 1.44. This collection is a timested to take 3 hours to considered. to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering. preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR CC. (PLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

10/552,463 - PTO-1449 #3 COPY FOR [] FILE Applicant